

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number  
**WO 2005/080559 A1**

(51) International Patent Classification<sup>7</sup>: C12N 9/36,  
15/56, A61K 38/47, 7/28, C11D 3/386, A23K 1/165

(21) International Application Number:  
PCT/DK2005/000099

(22) International Filing Date: 16 February 2005 (16.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PA 2004 00300 25 February 2004 (25.02.2004) DK

(71) Applicant (for all designated States except US):  
NOVOZYMES A/S [DK/DK]; Krogshoejvej 36, DK-2880  
Bagsvaerd (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WU, Wenping  
[CN/CN]; Er Dan Yuan in Building #3, Yi Qu, Dong  
Li Xiou Qu, Shang Di Zone, Haidan Districh, Beijing  
100085 (CN). SCHNORR, Kirk, Matthew, [US/DK];  
Soellerødgaardsvej 38, DK-2840 Holte (DK).

(74) Common Representative: NOVOZYMES A/S; Patents,  
Krogshoejvej 36, DK-2880 Bagsvaerd (DK).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: FUNGALL CELL WALL DEGRADING ENZYME

(57) Abstract: A novel fungal enzyme having lysozyme activity has been isolated. The invention further relates to a fungal polypep-  
tide having lysozyme activity and belonging to the GH25 family, wherein the enzyme is selected from the group consisting of (a) a  
polypeptide comprising an amino acid sequence, which has at least 80% identity with amino acids 1 to 233 of SEQ ID NO:2; (b)  
a polypeptide comprising an amino acid sequence, which has at least 80% identity with the polypeptide encoded by the lysozyme  
encoding part of the nucleotide sequence inserted into a plasmid present in strain DSM16084; (c) a polypeptide which is encoded  
by a nucleotide sequence which hybridizes under high stringency conditions with a polynucleotide probe consisting of the comple-  
mentary strand of nucleotides 84 to 782 of SEQ ID NO:1; or (d) a fragment of (a), (b) or (c) that has lysozyme activity.

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